

## RESPOSTAS - EXERCÍCIOS DERIVADAS

$$1) y' = 6x^5$$

$$2) y' = \frac{1}{2\sqrt{x}}$$

$$3) y' = -\frac{5}{x^6}$$

$$4) y' = 2x+4$$

$$5) y' = \frac{5}{2} \cdot \sqrt{x^3}$$

$$6) y' = 3x^2+10x+3 - \frac{6}{x^2}$$

$$7) y' = -\frac{6}{x^4} - \frac{10}{x^3}$$

$$8) y' = \frac{3}{2\sqrt{x}} + \frac{5}{3\sqrt[3]{x^2}}$$

$$9) y' = 3 \cdot e^x$$

$$10) y' = \frac{2}{x} + 2x$$

$$1) y' = -\frac{2}{(x-1)^2}$$

$$2) y' = x \cdot e^x \cdot (2+x)$$

$$3) y' = \frac{1-2\ln x}{4x^3}$$

$$4) y' = e^x \cdot (\cos x - \sin x)$$

$$5) y' = \frac{-\cos x - 4 + \sin x}{e^x}$$

$$6) y' = 12x^2 - 16x + 13$$